

Town of Plymouth Data Sheet

Station:	Point 138	Black Pond Lane		NGS PID#		ID#	
Town:	Plymouth		Quad: Sag				
NAD83	Northerly	Easterly	NAD 27	Northerly	Easterly		
(Survey Ft)	2772500.942	920732.47209	(Survey Ft)	311831.3554	864430.252		
(meters)	845059.97724	280639.81877	(meters)	95046.38721	263478.86786		
						Order	
Elevation	Vert. Datum f/m	Order	Stamping:				
NAVD88	14.393/4.387		Sketch				
NAVD29	15.24/4.644		Recov. Date:	March 6, 2008			
Marked by:	Drill Hole						
Description:	Drill Hole Set in Breakwater						
Reference Marks:							
Azimuth Data:							
Geodetic:	FILE: 50370660.080 000313005 2005 NOTE: The IGS precise and IGS rapid orbits were not available 2005 at processing time. The IGS ultra-rapid orbit was/will be used to 2005 process the data. 2005 NGS OPUS SOLUTION REPORT ===== USER: rfirth@townhall.plymouth.ma.us RINEX FILE: 50370660.080 SOFTWARE: page5 0612.06 master11.pl EPHEMERIS: igu14694.eph [ultra-rapid] NAV FILE: brdc0660.08n ANT NAME: TRM33429.00+GP NONE ARP HEIGHT: 1.389888 REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000) X: 1585985.649(m) 0.018(m) Y: -4485874.719(m) 0.013(m) Z: 4233335.042(m) 0.019(m) LAT: 41 51 6.22399 0.002(m) E LON: 289 28 15.96236 0.012(m) W LON: 70 31 44.03764 0.012(m) EL HGT: -23.809(m) 0.027(m) ORTHO HGT: 4.387(m) 0.037(m) [Geoid03 NAVD88] DATE: March 07, 2008 TIME: 12:44:07 UTC START: 2008/03/06 14:04:00 STOP: 2008/03/06 19:30:00 OBS USED: 11925 / 12826 : 93% # FIXED AMB: 56 / 57 : 98% OVERALL RMS: 0.013(m) ITRF00 (EPOCH:2008.1795) 1585984.907(m) 0.018(m) -4485873.279(m) 0.013(m) 4233334.977(m) 0.019(m) 41 51 6.25713 0.002(m) 289 28 15.95284 0.012(m) 70 31 44.04716 0.012(m) -25.048(m) 0.027(m) UTM COORDINATES STATE PLANE COORDINATES UTM (Zone 19) *** NOTE *** Northing (Y) [meters] 4634444.001 Easting (X) [meters] 373084.997 Convergence [degrees] -1.02022552 Point Scale 0.99979821 Please manually select SPC zone.						

To convert meters to US survey feet
Multiply by 3.280833333

	Combined Factor0.00000000 US NATIONAL GRID DESIGNATOR: 19TCG7308534444(NAD 83) BASE STATIONS USED PIDDESIGNATIONLATITUDELONGITUDEDISTANCE(m) DH5831CTGR GROTON CORS ARP N412007.035 W0720258.969 139163.3 DH5837CTPU PUTNAM CORS ARP N415358.888 W0715320.889 113038.9 AF9520WES2 WESTFORD CORS ARP N423647.975 W0712935.968 116163.7 NEAREST NGS PUBLISHED CONTROL POINT LW575310358 N415129.513 W0703132.085 771.0 This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.
Grid Azimuth:	



To convert meters to US survey feet
Multiply by 3.280833333